

SAF-RC-040
300 Area D&D Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Renee Nielson L1-01

KW 6/14/07
INITIAL/DATE

COMMENTS:

SDG 07-A-3117

SAF-RC-040

Rad only

X Chem only

Rad & Chem

X Complete

Partial

Sample Location/Waste Site: 300 Area / 3503A Building

RECEIVED
JUN 29 2007
EDMC



6/8/07
Page 1 of 2

SUBMITTED TO:

Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354



REFERENCE DATA:

Client Sample No.:	J155P0 through J155N9
P.O. No.:	Not Available
Sample Location:	300 Area / 3503A, 3746 Building
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-3117
DCL Sample ID No.:	07-17777 through 07-17778
Sample Receipt Date:	6/8/07
Analysis Date:	6/8/07

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

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6/8/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**


Client: Washington Closure Hanford
Location: 300 Area / 3503A, 3746 Building
Set ID: 07-A-3117

Client Sample ID:	J155P0	J155N9
DCL Sample ID:	07-17777	07-17778
Macroscopic Examination		
Accepted/Rejected:	Accepted	Accepted
Homogeneity:	Homog.	Homog.
Color:	Grey	Grey
Texture:	Crumbly	Fbrs/Flex
Description:	Material	Material
Analysis:	PLM	PLM
Asbestiform Minerals		
% Chrysotile:	Trace	
% Amosite:		
% Crocidolite:		
% Tremolite - Actinolite:		
% Anthophyllite:		
% Total Asbestos:	Trace	ND
Other Materials		
% Cellulose:		
% Fiberglass:		
% Other Fibers:		>70 ≤ 80
% Resin/Binder:		
% Non Fibrous:	>90 ≤ 100	>10 ≤ 20

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting, ... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

01-A-3117

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-305		Page 1 of 1	
Collector Tom Edmundson/Renee Nielson / <i>Duane Jacques</i>		Company Contact Renee Nielson		Telephone No. 376-6924		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 300 Area/3503A Building		SAF No. RC-040					
Ice Chest No. <i>FED EX BOX</i>		Field Logbook No. EL-1518-7		COA R3503A1300		Method of Shipment Federal Express			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>-See OSPC TRA 6-6-07</i>		<i>4070298</i>		Bill of Lading/Air Bill No. <i>SEE OSPC</i>			
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Asbestos</i>		Preservation		None					
Special Handling and/or Storage <i>N/A</i>		Type of Container		P					
		No. of Container(s)		1					
		Volume		5g					
SAMPLE ANALYSIS		Asbestos-BULK-EPA							
Sample No.	Matrix *	Sample Date	Sample Time						
J155P0	OTHER SOLID	<i>6/6/07</i>	<i>0856</i>	<i>X</i>	<i>07-1777</i>				
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *	
Relinquished By/Removed From <i>T.R. Edmundson</i>	Date/Time <i>6-6-07 1510</i>	Received By/Stored In <i>3728#3A</i>	Date/Time <i>6-6-07 1510</i>	N/A Sampler unavailable to relinquish samples from 3728 Ref # <i>3A</i> . 3728 Custodian removed samples for shipping on <i>6/7/07</i> .				S=Soil SS=Soil/Sediment SC=Solid SL=Sludge W=Water O=Oil A=Air DS=Dry/Solids DL=Dry/Liquids T=Time W=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From <i>3728#3A</i>	Date/Time <i>6-7-07 1050</i>	Received By/Stored In <i>KMSingleton</i>	Date/Time <i>6-7-07 1050</i>						
Relinquished By/Removed From <i>M Singleton</i>	Date/Time <i>6-7-07 1210</i>	Received By/Stored In <i>FED EX</i>	Date/Time <i>6-7-07 1210</i>						
Relinquished By/Removed From <i>FED EX</i>	Date/Time <i>6-7-07 1210</i>	Received By/Stored In <i>JOPEL</i>	Date/Time <i>6-7-07 1210</i>						
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time						
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time						
LABORATORY SECTION	Received By <i>JOPEL</i>	Title						Date/Time <i>6/8/07 1217</i>	
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By						Date/Time	

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-304		Page 1 of 1			
Collector Tom Edmundson		Company Contact Renee Nielson		Telephone No. 376-6924		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days			
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 300 Area/3746 Building		SAF No. RC-040							
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-7		COA R374601000		Method of Shipment Federal Express					
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. See OSPC TRR 6-6-06 A070298		Bill of Lading/Air Bill No. SEE OSPC							
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos Special Handling and/or Storage N/A		Preservation		None							
		Type of Container		P							
		No. of Container(s)		1							
		Volume		5g							
SAMPLE ANALYSIS				Asbestos- BULK-EPA							
Sample No.		Matrix *		Sample Date		Sample Time					
J155N9		OTHER SOLID		6/6/07		1320		X 07-17778			
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix * S=Soil SE=Soil/Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Dryness Solids DL=Dryness Liquids T=Thane W=Wipe L=Liquid V=Vegetation X=Other			
Relinquished By/Removed From <i>T.R. Edmundson</i>		Date/Time 6-6-07 1510		Received By/Stored In 3728 #3A		Date/Time 6-6-07 1510				Contact Joan Kessner prior to analysis. Sampler unavailable to relinquish samples from 3728 Ref # 3A . 3728 Custodian removed samples for shipping on 6/7/07 .	
Relinquished By/Removed From 3728 #3A		Date/Time 6-7-07 1050		Received By/Stored In <i>MTS</i>		Date/Time 6-7-07					
Relinquished By/Removed From <i>MTS</i>		Date/Time 6-7-07 1500		Received By/Stored In FED EX		Date/Time					
Relinquished By/Removed From FED EX		Date/Time		Received By/Stored In <i>MTS</i>		Date/Time 6/8/07 1217					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
LABORATORY SECTION		Received By <i>MTS</i>		Title		Date/Time 6/8/07 1217					
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time					